



Qualys Connector v2.x

API Release Notes

Version 2.1

February 13, 2024

What's New?

[New Parameter in Global Scan Configurations to Include Elastic Load Balancer](#)

[New Parameter in Connectors Scan Settings to Include Elastic Load Balancer](#)

Qualys API Server URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here](#) to identify your Qualys platform and get the API URL.

This documentation does not use any specific API gateway URL, instead, `<qualys_base_url>` is used in sample API requests. If you're on another platform, please replace this URL with the appropriate gateway URL for your account.

New Parameter in Global Scan Configurations to Include Elastic Load Balancer

API	/qps/rest/3.0/create/am/globalscanconfiguration /qps/rest/3.0/update/am/globalscanconfiguration /qps/rest/3.0/search/am/globalscanconfiguration
New or Updated APIs	Updated
Method	Post
DTD or XSD Change	Not Applicable

We have added a new parameter `scanPublicLoadBalancers` to Global Scan Configurations to include Elastic Load Balancers (ELBs) for the zero-touch perimeter scan for AWS Cloud. When the `scanPublicLoadBalancers` parameter is set to true, cloud perimeter scan performs both load balancers and VM scans. Otherwise, only VM scan is executed.

Pre-requisite: To use this feature, you need to enable CSPM capability because ELBs can only be fetched by CSPM.

The applicable APIs list is:

- [Create Global Scan Configuration](#)
- [Update Global Scan Configuration](#)
- [Search Global Scan Configuration](#)

Input Parameter

Parameter	Mandatory /Optional	Data Type	Description
scanPublicLoad Balancers	Optional	Boolean	Set this flag to true to include ELBs for zero touch perimeter scan.

Create Global Scan Configuration

Use this API to create global scan configuration that can be used for the cloud perimeter scan.

Sample: Create Global Scan Configuration

API Request:

```
curl -u "USERNAME:PASSWORD"
"<qualys_base_url/qps/rest/3.0/create/am/globalscanconfiguration"
```

Request Post Data:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <GlobalScanConfiguration>
      <scanPrefix>Global Scan</scanPrefix>
      <optionProfileId>2</optionProfileId>
      <recurrence>WEEKLY</recurrence>
      <startDate>06/22/2022</startDate>

      <startTime>12:45</startTime>
      <daysOfWeek>
        <set>
          <Day>SUN</Day>
          <Day>TUE</Day>
        </set>
      </daysOfWeek>
      <timezone>Africa/Cairo</timezone>
      <scanPublicLoadBalancers>true</scanPublicLoadBalancers>
    </GlobalScanConfiguration>
  </data>
</ServiceRequest>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="<qualys_base_url>/qps/xsd/
3.0/am/globalscanconfiguration.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <GlobalScanConfiguration>
      <scanPrefix>Global Scan</scanPrefix>
      <optionProfileId>2</optionProfileId>
      <recurrence>WEEKLY</recurrence>
      <startDate>06/22/2022</startDate>
      <startTime>12:45</startTime>
      <daysOfWeek>
        <list>
          <Day>SUN</Day>
          <Day>TUE</Day>
        </list>
      </daysOfWeek>
      <timezone>Africa/Cairo</timezone>
      <scanPublicLoadBalancers>true</scanPublicLoadBalancers>
    </GlobalScanConfiguration>
  </data>
</ServiceResponse>
```

Update Global Scan Configuration

Use this API to update global scan configuration that can be used for the cloud perimeter scan.

Sample: Update Global Scan Configuration

API Request:

```
curl -n -u "USERNAME:PASSWORD"  
"<qualys_base_url>/qps/rest/3.0/update/am/globalscanconfiguration"
```

Request Post Data:

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceRequest>  
  <data>  
    <GlobalScanConfiguration>  
      <scanPrefix>Global Scan</scanPrefix>  
      <optionProfileId>2</optionProfileId>  
      <recurrence>WEEKLY</recurrence>  
      <startDate>06/22/2022</startDate>  
      <startTime>12:45</startTime>  
      <daysOfWeek>  
        <set>  
          <Day>SUN</Day>  
          <Day>TUE</Day>  
        </set>  
      </daysOfWeek>  
      <timezone>Africa/Cairo</timezone>  
      <scanPublicLoadBalancers>true</scanPublicLoadBalancers>  
    </GlobalScanConfiguration>  
  </data>  
</ServiceRequest>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:noNamespaceSchemaLocation="<qualys_base_url>/qps/xsd/  
  3.0/am/globalscanconfiguration.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <GlobalScanConfiguration>  
      <scanPrefix>Global Scan</scanPrefix>  
      <optionProfileId>2</optionProfileId>  
      <recurrence>WEEKLY</recurrence>  
      <startDate>06/22/2022</startDate>  
      <startTime>12:45</startTime>
```

```
<daysOfWeek>
  <list>
    <Day>SUN</Day>
    <Day>TUE</Day>
  </list>
</daysOfWeek>
<timezone>Africa/Cairo</timezone>
<scanPublicLoadBalancers>true</scanPublicLoadBalancers>
</GlobalScanConfiguration>
</data>
</ServiceResponse>
```

Search Global Scan Configuration

Use this API to search for the global scan configuration for the cloud perimeter scan.

Sample: Search Global Scan Configuration

API Request:

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"
"<qualys_base_url>qps/rest/3.0/search/am/globalscanconfiguration"
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="<qualys_base_url>/qps/xsd/
3.0/am/globalscanconfiguration.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <GlobalScanConfiguration>
      <scanPrefix>Global Scan</scanPrefix>
      <optionProfileId>2</optionProfileId>
      <recurrence>WEEKLY</recurrence>
      <startDate>06/22/2022</startDate>
      <startTime>12:45</startTime>
      <daysOfWeek>
        <list>
          <Day>SUN</Day>
          <Day>TUE</Day>
        </list>
      </daysOfWeek>
      <timezone>Africa/Cairo</timezone>
      <scanPublicLoadBalancers>true</scanPublicLoadBalancers>
    </GlobalScanConfiguration>
  </data>
</ServiceResponse>
```

New Parameter in Connectors Scan Settings to Include Elastic Load Balancer

API	<code>/qps/rest/3.0/create/am/awsassetdataconnector</code> <code>/qps/rest/3.0/update/am/awsassetdataconnector</code> <code>/qps/rest/3.0/update/am/awsassetdataconnector/<id></code> <code>/qps/rest/3.0/get/am/awsassetdataconnector/<id></code> <code>/qps/rest/3.0/search/am/awsassetdataconnector</code>
New or Updated APIs	Updated
Method	Post
DTD or XSD Change	Not Applicable

We have added a new parameter `scanPublicLoadBalancers` to Connector Scan Settings to include Elastic Load Balancer (ELBs) for the zero touch perimeter scan for AWS Cloud. When the `scanPublicLoadBalancers` parameter is set to true, cloud perimeter scan performs both load balancers and VM scans. Otherwise, only VM scan is executed.

Pre-requisite: To fetch ELBs, enable CSPM capability as ELBs can only be fetched by CSPM.

Note: If you attempt to create or update the AWS Connector for an account which is not enabled for CSPM capability, you get the following error,

```
Error: 400
"Cloud Perimeter Scan for ELB is only supported for CSPM Connectors.
Enable CSPM on your connector to scan public load balancers."
```

The applicable APIs list is:

- [Create AWS Connector 3.0](#)
- [Update AWS Connector 3.0](#)
- [Get AWS Connector Details 3.0](#)
- [Search AWS Connector 3.0](#)

Input Parameter

Parameter	Mandatory /Optional	Data Type	Description
scanPublicLoad Balancers	Optional	Boolean	Set this flag to true to include ELBs for zero touch perimeter scan.

Create AWS Connector 3.0

Specify the connector details such as arn, externalId, and so on to create a new connector in the Connectors application.

Sample: Create a new AWS Asset Data Connector

API Request:

```
curl -n -u "USERNAME:PASSWORD"  
"<qualys-base_url>/qps/rest/3.0/delete/am/awsassetdataconnector/12345"
```

Request Post Data:

```
{  
  "ServiceRequest": {  
    "data": {  
      "AwsAssetDataConnector": {  
        "name": "AWS Connector Via API",  
        "description": "Connector created through API",  
        "defaultTags": {  
          "set": {  
            "TagSimple": {  
              "id": 42458382  
            }  
          }  
        },  
        "activation": {  
          "set": {  
            "ActivationModule": [  
              "VM",  
              "SCA"  
            ]  
          }  
        },  
        "disabled": false,  
        "arn": "arn:aws:iam::12345678911/role:testrole",  
        "externalId": "POD-999999-11213331",  
        "allRegions": true,  
        "runFrequency": 240,  
        "isRemediationEnabled": true,  
        "connectorAppInfos": {  
          "set": {  

```

```
    "ConnectorAppInfoQList": [
      {
        "set": {
          "ConnectorAppInfo": {
            "name": "AI",
            "identifier":
"arn:aws:iam:::12345678911/role:testrole",
            "tagId": 42458382
          }
        }
      },
      {
        "set": {
          "ConnectorAppInfo": {
            "name": "CI",
            "identifier":
"arn:aws:iam:::12345678911/role:testrole",
            "tagId": 42458382
          }
        }
      },
      {
        "set": {
          "ConnectorAppInfo": {
            "name": "CSA",
            "identifier":
"arn:aws:iam:::12345678911/role:testrole",
            "tagId": 42458382
          }
        }
      }
    ]
  },
  "isCPSEnabled": true,
  "connectorScanSetting": {
    "isCustomScanConfigEnabled": true
  },
  "connectorScanConfig": {
    "set": {
      "ConnectorScanConfiguration": {
        "daysOfWeek": {
          "set": {
            "Day": [
              "SUN",
              "TUE"
            ]
          }
        }
      },
      "optionProfileId": 142118,
      "recurrence": "WEEKLY",
```

```

        "scanPrefix": "update ELB CPS Custom Scan",
        "startDate": "06/08/2022",
        "startTime": "12:31",
        "timezone": "Africa/Cairo",
        "scanPublicLoadBalancers" : true
    }
}
}
}
}
}

```

Response:

```

{
  "ServiceResponse": {
    "data": [
      {
        "AwsAssetDataConnector": {
          "description": "Connector created through API",
          "type": "AWS",
          "name": "AWS Connector Via API",
          "externalId": "POD-9999999-11213331",
          "isChinaConfigured": "false",
          "disabled": "false",
          "qualysAwsAccountId": "xxxxxxxxxx",
          "runFrequency": 240,
          "id": "xxxxxxx",
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "tagMetadata": {
                          "id": "xxxxxxx"
                        },
                        "name": "AI",
                        "identifier":
"arn:aws:iam:xxxxxxxxxxxxx:role/CV_UI_TestPod",
                        "tagId": "xxxxxxx"
                      }
                    }
                  ]
                }
              }
            ],
            "ConnectorAppInfoQList": {
              "list": [
                {
                  "ConnectorAppInfo": {

```

```

        "tagMetadata": {
            "id": "xxxxxxx"
        },
        "name": "CSA",
        "identifier":
"arn:aws:iam:xxxxxxxxxxx:role/CV_UI_TestPod",
        "tagId": "xxxxxxx"
    }
}
]
}
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "tagMetadata": {
                        "id": "xxxxxxx"
                    },
                    "name": "CI",
                    "identifier":
"arn:aws:iam:xxxxxxxxxxx:role/CloudViewPOD1",
                    "tagId": "xxxxxxx"
                }
            }
        ]
    }
}
]
},
"defaultTags": {
    "list": [
        {
            "TagSimple": {
                "id": "xxxxxxx",
                "name": "CV_Automation_Tag"
            }
        }
    ]
},
"activation": {
    "ActivationModule": [
        "CLOUDVIEW",
        "SCA",
        "VM"
    ]
},
"isGovCloudConfigured": "false",

```

```

    "allRegions": "true",
    "connectorState": "QUEUED",
    "arn": "arn:aws:iam:xxxxxxxxx:role/CV_UI_TestPod",
    "awsAccountId": "xxxxxxxxxx",
    "isRemediationEnabled": "true",
    "isCPSEnabled": true,
    "connectorScanSetting": {
      "isCustomScanConfigEnabled": true
    },
    "connectorScanConfig": {
      "list": {
        "ConnectorScanConfiguration": {
          "daysOfWeek": {
            "list": {
              "Day": [
                "SUN",
                "TUE"
              ]
            }
          },
          "optionProfileId": 142118,
          "recurrence": "WEEKLY",
          "scanPrefix": "update ELB CPS Custom Scan",
          "startDate": "06/08/2022",
          "startTime": "12:31",
          "timezone": "Africa/Cairo",
          "scanPublicLoadBalancers": true
        }
      }
    }
  },
  "count": 1,
  "responseCode": "SUCCESS"
}

```

Update AWS Connector 3.0

Use this API to update the connectors that are created in the Connector application. Specify the connector ID to update the details of the specified connector.

Sample: Update AWS Connector Name

API Request:

```

curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"<qualys_base_url>/qps/rest/3.0/update/am/awsassetdataconnector/XXXXX"

```

Request Post Data:

```
{
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
        "name": "AWSConnector API ",
        "description": "Updated Description Via API ",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 42458382
            }
          }
        },
        "activation": {
          "set": {
            "ActivationModule": [
              "SCA",
              "PC"
            ]
          }
        },
        "allRegions": false,
        "disabled": false,
        "runFrequency": 600,
        "isRemediationEnabled": true,
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": [
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              }
            ]
          }
        }
      }
    }
  }
}
```

Response:

```
"AwsAssetDataConnector": {
```

```

        "id": "xxxxxx"
      }
    }
  ]
}

```

Get AWS Connector Details 3.0

Use the API to get AWS Connector information with the specified ID.

Sample: : Fetch the AWS connector with the ID

API Request:

```

curl -n -u "USERNAME:PASSWORD"
"<qualys-base_url>/qps/rest/3.0/get/am/awsassetdataconnector/xxxxxxx"
--header 'Accept: application/json'
--header 'Content-Type: application/json'

```

Response:

```

{
  "ServiceResponse": {
    "data": [
      {
        "AwsAssetDataConnector": {
          "description": "Connector created through API",
          "type": "AWS",
          "name": "AWS Connector Via API",
          "externalId": "POD-999999-11213331",
          "isChinaConfigured": "false",
          "disabled": "false",
          "qualysAwsAccountId": "xxxxxxxxxxxx",
          "runFrequency": 240,
          "id": "xxxxxxx",
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "tagMetadata": {
                          "id": "xxxxxxx"
                        },
                        "name": "AI",
                        "identifier":
"arn:aws:iam::xxxxxxxxxxxxx:role/CV_UI_TestPod",
                        "tagId": "xxxxxxx"
                      }
                    }
                  ]
                }
              }
            ]
          }
        }
      }
    ]
  }
}

```

```

    }
  }
]
},
{
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "tagMetadata": {
            "id": "xxxxxxx"
          },
          "name": "CSA",
          "identifier":
"arn:aws:iam::xxxxxxxxxxxx:role/CV_UI_TestPod",
          "tagId": "xxxxxxx"
        }
      }
    ]
  },
  {
    "ConnectorAppInfoQList": {
      "list": [
        {
          "ConnectorAppInfo": {
            "tagMetadata": {
              "id": "xxxxxxx"
            },
            "name": "CI",
            "identifier":
"arn:aws:iam::xxxxxxxx:role/CloudViewPOD1",
            "tagId": "xxxxxxx"
          }
        }
      ]
    }
  },
  "defaultTags": {
    "list": [
      {
        "TagSimple": {
          "id": "xxxxxxx",
          "name": "CV_Automation_Tag"
        }
      }
    ]
  }
}

```

```

    ]
  },
  "activation": {
    "ActivationModule": [
      "CLOUDVIEW",
      "SCA",
      "VM"
    ]
  },
  "isGovCloudConfigured": "false",
  "allRegions": "true",
  "connectorState": "QUEUED",
  "arn": "arn:aws:iam:xxxxxxxxxx:role/CV_UI_TestPod",
  "awsAccountId": "xxxxxxxxxx",
  "isRemediationEnabled": "true",
  "isCPSEnabled": true,
  "connectorScanSetting": {
    "isCustomScanConfigEnabled": true
  },
  "connectorScanConfig": {
    "list": {
      "ConnectorScanConfiguration": {
        "daysOfWeek": {
          "list": {
            "Day": [
              "SUN",
              "TUE"
            ]
          }
        },
        "optionProfileId": 142118,
        "recurrence": "WEEKLY",
        "scanPrefix": "update ELB CPS Custom Scan",
        "startDate": "06/08/2022",
        "startTime": "12:31",
        "timezone": "Africa/Cairo",
        "scanPublicLoadBalancers": true
      }
    }
  },
  "count": 1,
  "responseCode": "SUCCESS"
}

```

Search AWS Connector 3.0

Use the API to search a list of AWS connectors in the user's account that match the provided criteria.

Sample: Find all asset data connectors with tag name USA

API Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-  
"<qualys_base_url>/qps/rest/3.0/search/am/awsassetdataconnector"
```

Request Post Data:

```
{  
  "ServiceRequest": {  
    "filters": {  
      "Criteria": [  
        {  
          "field": "defaultTags.name",  
          "operator": "EQUALS",  
          "value": "USA"  
        }  
      ]  
    }  
  }  
}
```

Response:

```
{  
  "ServiceResponse": {  
    "data": [  
      {  
        "AwsAssetDataConnector": {  
          "description": "Connector created through API",  
          "type": "AWS",  
          "name": "AWS Connector Via API",  
          "externalId": "POD-999999-11213331",  
          "isChinaConfigured": "false",  
          "disabled": "false",  
          "qualysAwsAccountId": "xxxxxxxxxx",  
          "runFrequency": 240,  
          "id": "xxxxxxxx",  
          "connectorAppInfos": {  
            "list": [  
              {  
                "ConnectorAppInfoQList": {  
                  "list": [  
                    {  
                      "ConnectorAppInfo": {
```

```

        "tagMetadata": {
            "id": "xxxxxxx"
        },
        "name": "AI",
        "identifier":
"arn:aws:iam::xxxxxxxxxxxx:role/CV_UI_TestPod",
        "tagId": "xxxxxxx"
    }
}
]
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "tagMetadata": {
                        "id": "xxxxxxx"
                    },
                    "name": "CSA",
                    "identifier":
"arn:aws:iam::xxxxxxxxxxxx:role/CV_UI_TestPod",
                    "tagId": "xxxxxxx"
                }
            }
        ]
    }
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "tagMetadata": {
                        "id": "xxxxxxx"
                    },
                    "name": "CI",
                    "identifier":
"arn:aws:iam::xxxxxxxx:role/CloudViewPOD1",
                    "tagId": "xxxxxxx"
                }
            }
        ]
    }
},
"defaultTags": {

```

```

        "list": [
            {
                "TagSimple": {
                    "id": "xxxxxxx",
                    "name": "CV_Automation_Tag"
                }
            }
        ],
    },
    "activation": {
        "ActivationModule": [
            "CLOUDVIEW",
            "SCA",
            "VM"
        ]
    },
    "isGovCloudConfigured": "false",
    "allRegions": "true",
    "connectorState": "QUEUED",
    "arn": "arn:aws:iam:xxxxxxx:role/CV_UI_TestPod",
    "awsAccountId": "xxxxxxx",
    "isRemediationEnabled": "true",
    "isCPSEnabled": true,
    "connectorScanSetting": {
        "isCustomScanConfigEnabled": true
    },
    "connectorScanConfig": {
        "list": {
            "ConnectorScanConfiguration": {
                "daysOfWeek": {
                    "list": {
                        "Day": [
                            "SUN",
                            "TUE"
                        ]
                    }
                },
                "optionProfileId": 142118,
                "recurrence": "WEEKLY",
                "scanPrefix": "update ELB CPS Custom Scan",
                "startDate": "06/08/2022",
                "startTime": "12:31",
                "timezone": "Africa/Cairo",
                "scanPublicLoadBalancers": true
            }
        }
    }
}

```

```
    ],  
    "hasMoreRecords": "false",  
    "responseCode": "SUCCESS",  
    "count": 1  
  }  
}
```